TRUEWAVE Voice Edit Software Operating Manual

HMT TECH.CO.,LTD.
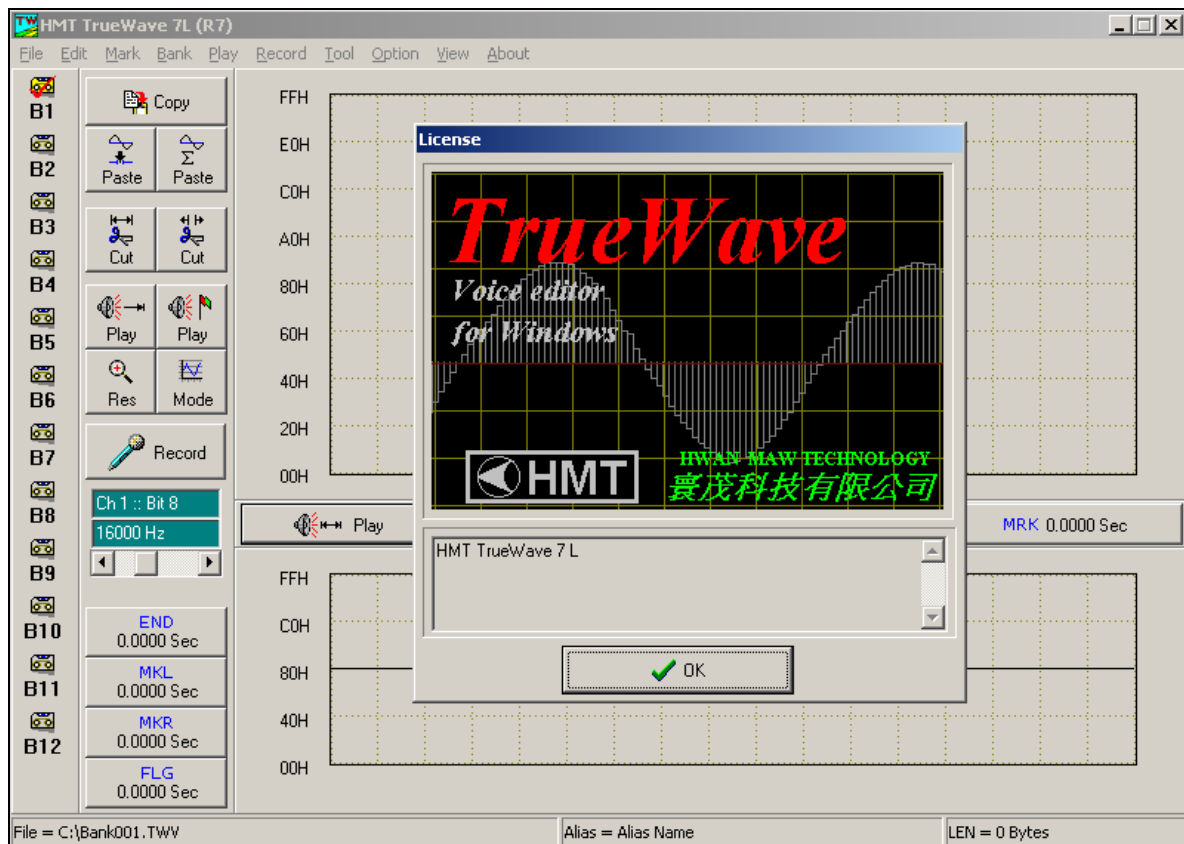
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(2) TrueWave Screen Description
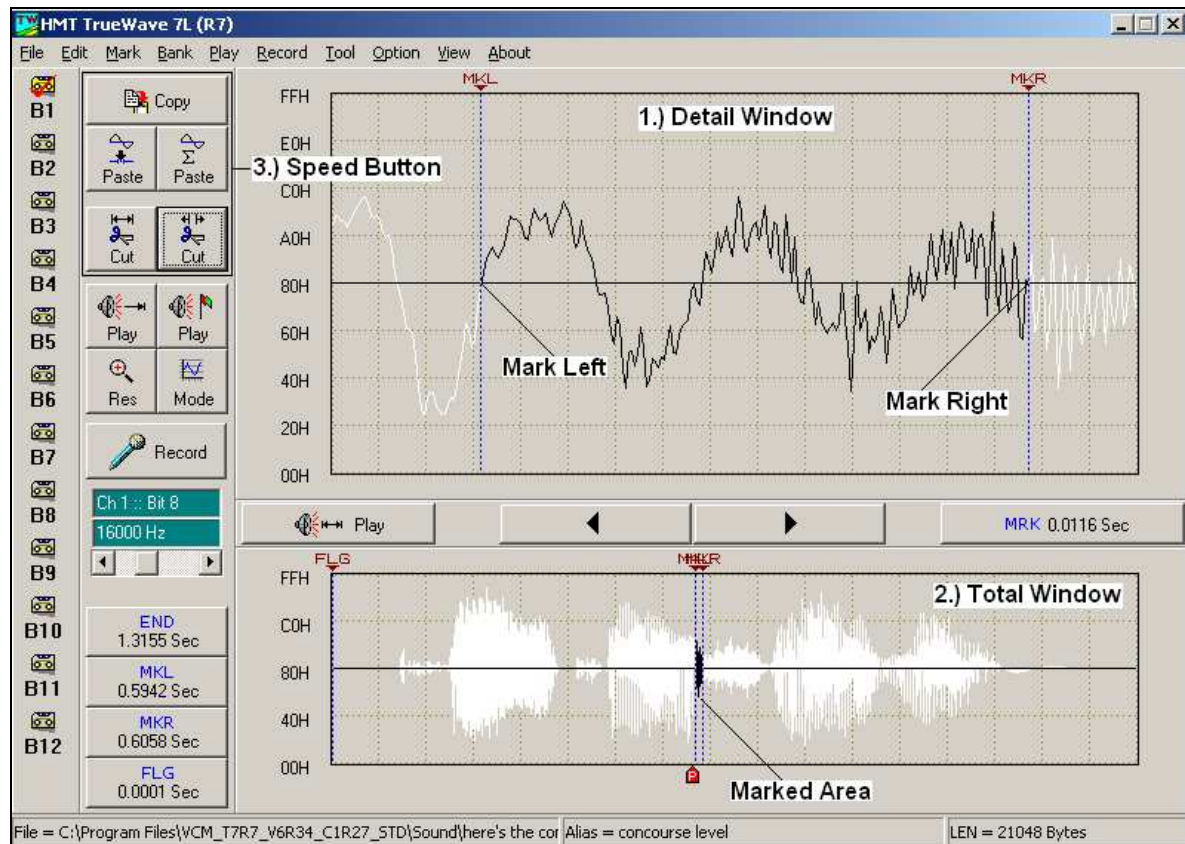
From this diagram above, the main window is composed of the following parts:

1.) Detail window: It can show us the detailed data of the voice waveforms, so we can edit within this window.   It's called "Operation Area".

2.) Total window: It can show the whole data of the voice waveforms, so we can choose which segment of voices to edit from this window.

3.) Speed button: It provides the function keys for edition.

4.) Bank 1 to Bank 12: voice data memory temporary storage zone.

In Detail Window, we defined left key on the mouse as the function of mark left, the middle key is "Set position" and right key is "mark right"; When left click in Detail Window, the waveforms in left part from the cursor will be shown in white while the part in black is called marked area.   Vice versa, by right clicking, we can mark the right area to make the wave data marked.   Most operations are designed to edit the marked area.
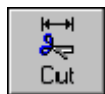
(3) TrueWave Function Key

To copy the selected waves from the marked area and move to the internal temporary storage area for Paste action.
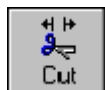
To paste the selected data to the flag position.
The original data placed in this flag position will be moved backwards.

To paste the selected data to the flag position.
The original data placed in this flag will be covered.

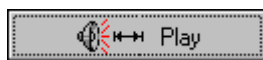Cut the data from the marked area.

Cut the data from the unmarked area.

Play the whole section.

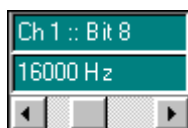Play the voice section at the flag position only.

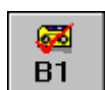Play the voice segment in the marked area.

Show the dpi adjustment.

Record function key.

Sampling Rate options.
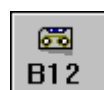
Temporary data area options.

Detail window fine-tuning
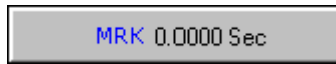
Make unmarked area restore to a marked area.

(4) TrueWave [File Menu]Screen
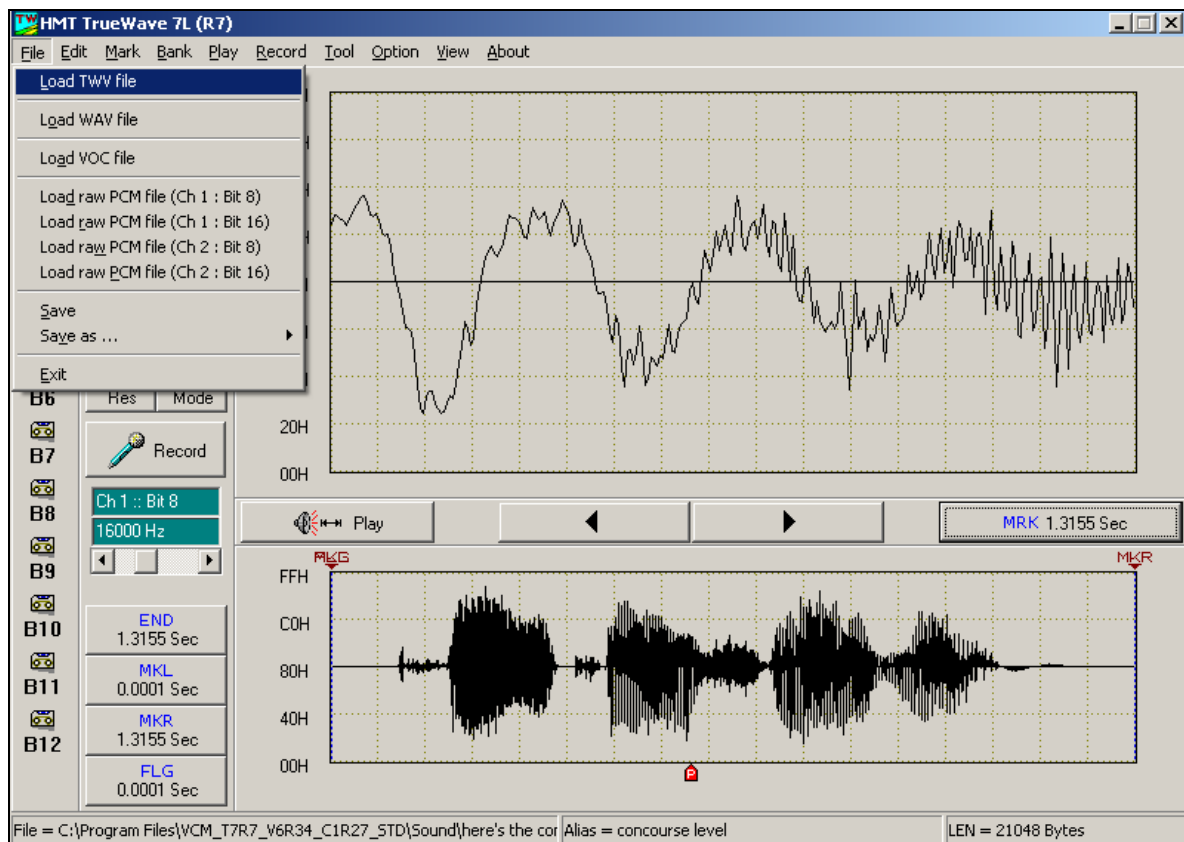
It provides several loading and save functions for voice data input from this function list.

1.) Load TWV file: Load TrueWave format voice file to the selected Bank to edit.
2.) Load WAV file: Load WAV format voice file to the selected Bank to edit.
3.) Load VOC file: Load VOC format voice file to the selected Bank to edit.
4.) Save: Save the voice file by the loaded name.
5.) Save as…: Save as TWV format : Save the voice file by a new name
6.) Exit: Exit TrueWave software system.

(5) TrueWave [Edit Menu]Screen
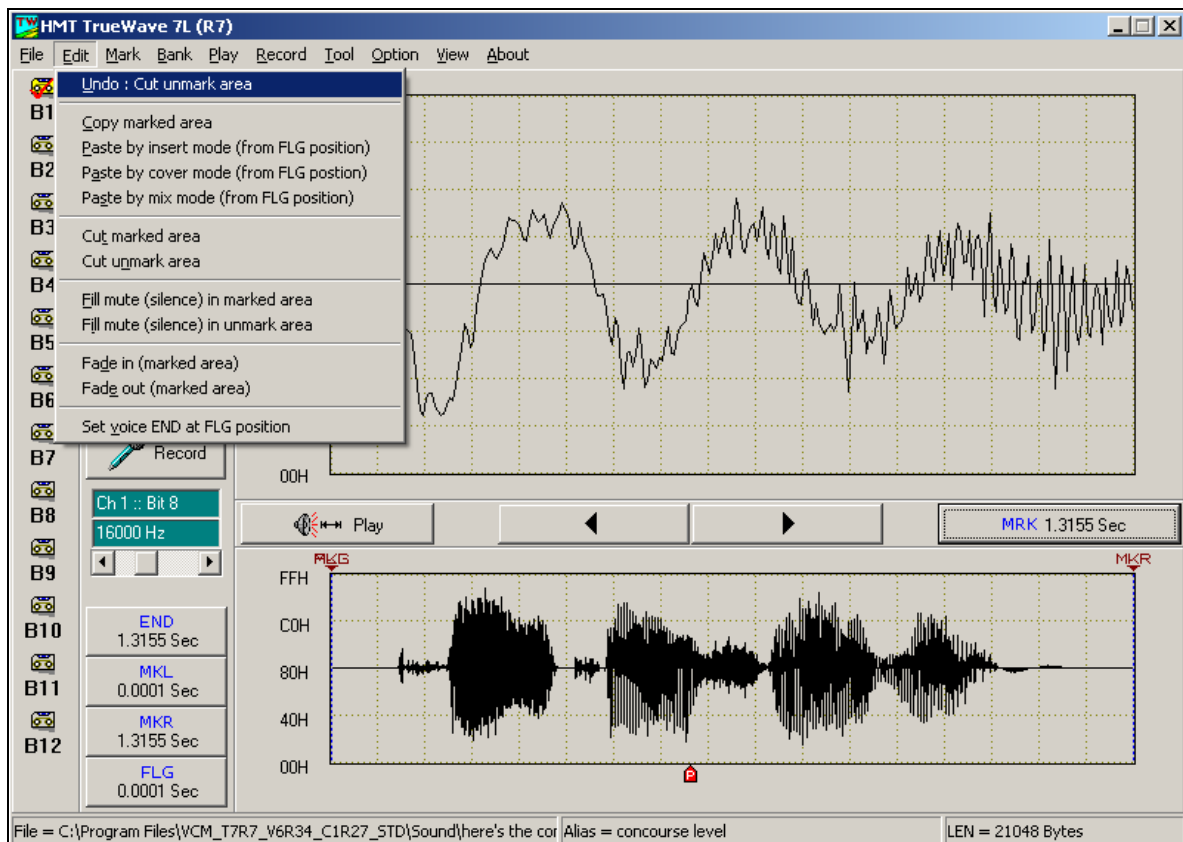
It provides several editing function for voice files.

1.) Undo: To go back to the last step; to cancel this command.

2.) Copy marked area: Copy the data from the marked area and store it in the internal temporary storage area.

3.) Paste by Insert Mode: When the new data is pasted to the flag position, the original one in the flag position will be moved backwards.

4.) Paste by cover Mode: When the new data is pasted to the flag position, the original one in the flag position will be covered.

5.) Cut marked area: Cut the data from the marked area.

6.) Cut unmarked area: Cut the data from the unmarked area.

7.) Fill Mute in marked area: Make the marked area data mute.

8.) Fill Mute in unmarked area: Make the unmarked area data mute.

9.) Fade in (marked area): Voice fade in effect.

10.) Fade out (marked area): Voice fade out effect.

11.) Set voice END at FLAG position: Move the flag position to the end of voice data as a beginning to connect to another voice data.

(6) TrueWave [Mark Menu]Screen
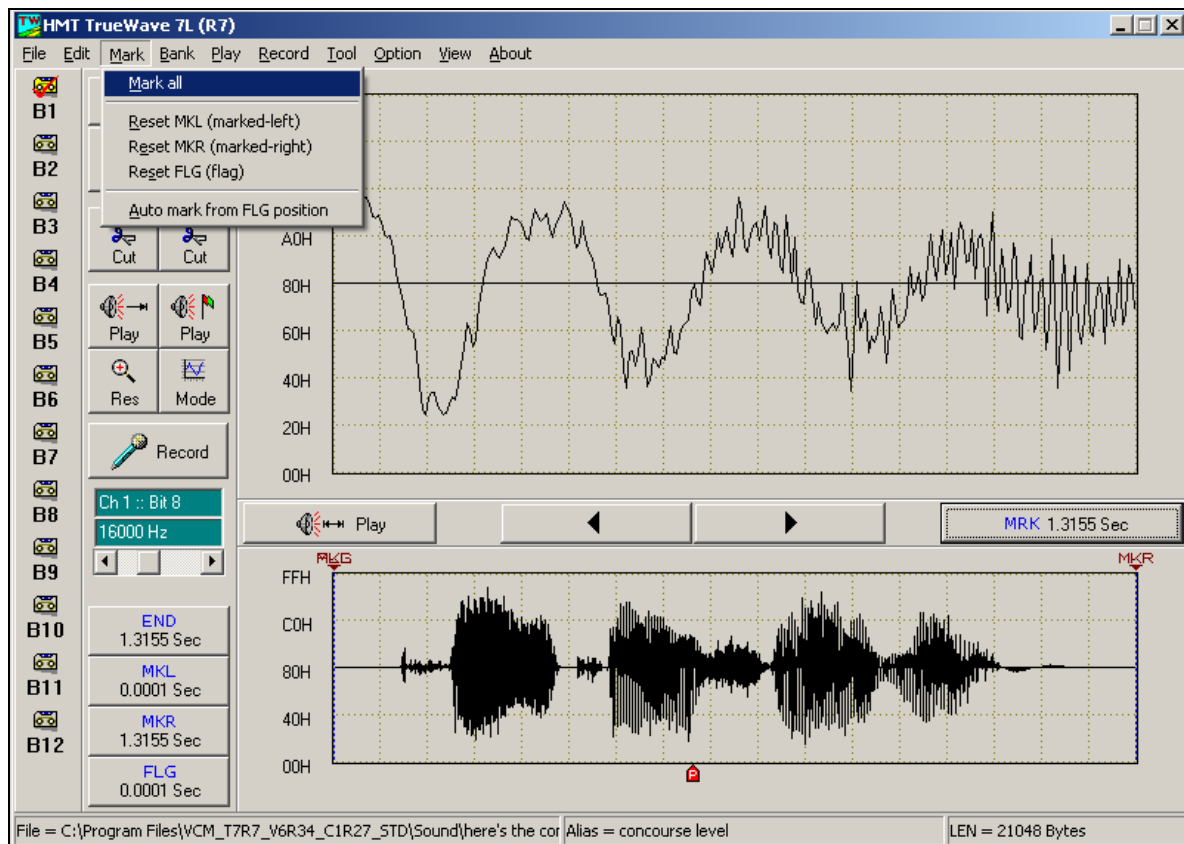
It provides several functions used in the marked area.

    1.) Mark all: Mark all the voice data as a marked area.

    2.) Reset marked left: Mark the left unmarked area into marked area.

    3.) Reset marked right: Mark the right unmarked area into marked area.

    4.) Reset FLAG: Clear the flag position（s）.

Auto mark from FLAG: Make the several seconds long area behind the flag position as a marked area.

(7) TrueWave [Bank Menu]Screen
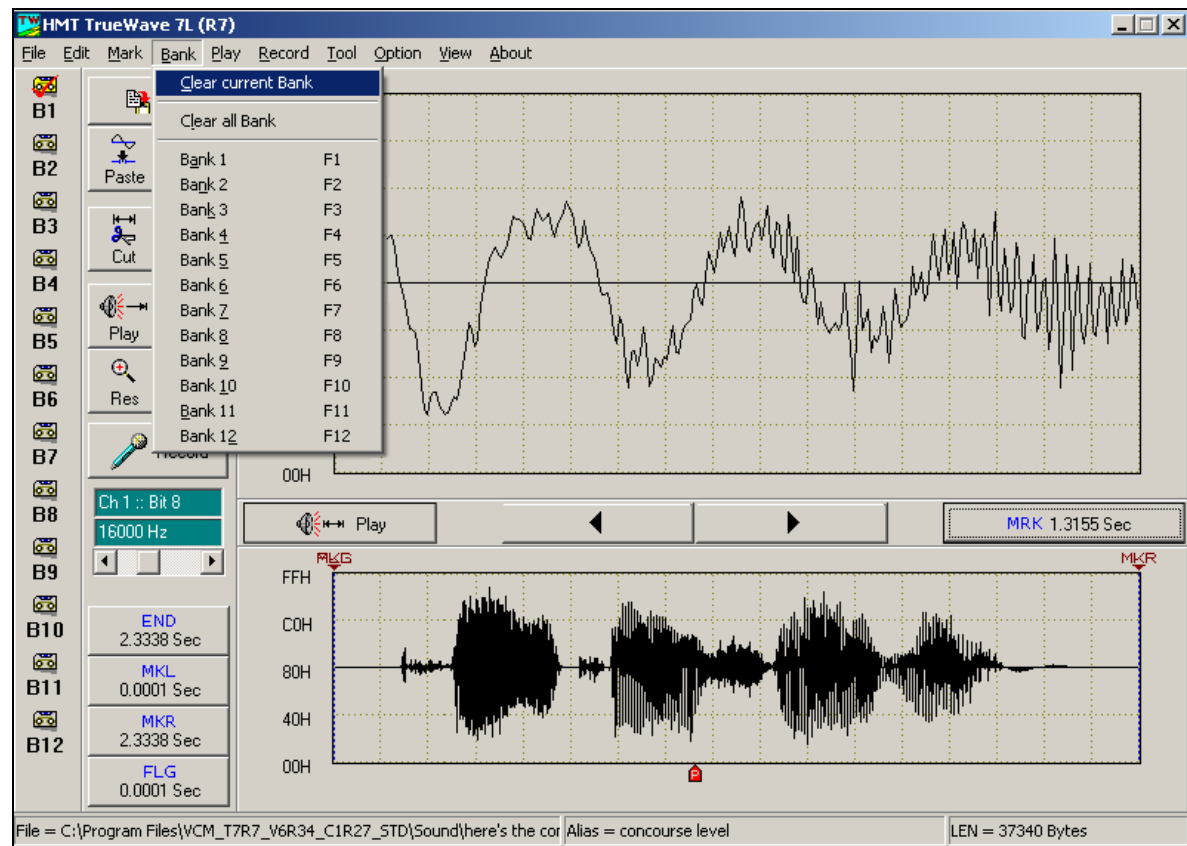
It provides functions on editing in Banks and shifting for Bank usages.

1.) Clear current Bank: Clear the data from current BANK.
2.) Clear all Bank: Clear all data from all Banks.
3.) Bank 1 – Bank 12: Shift data from Bank to Bank.   Bank function key can also make a shift.

(8) TrueWave [Play Menu]Screen
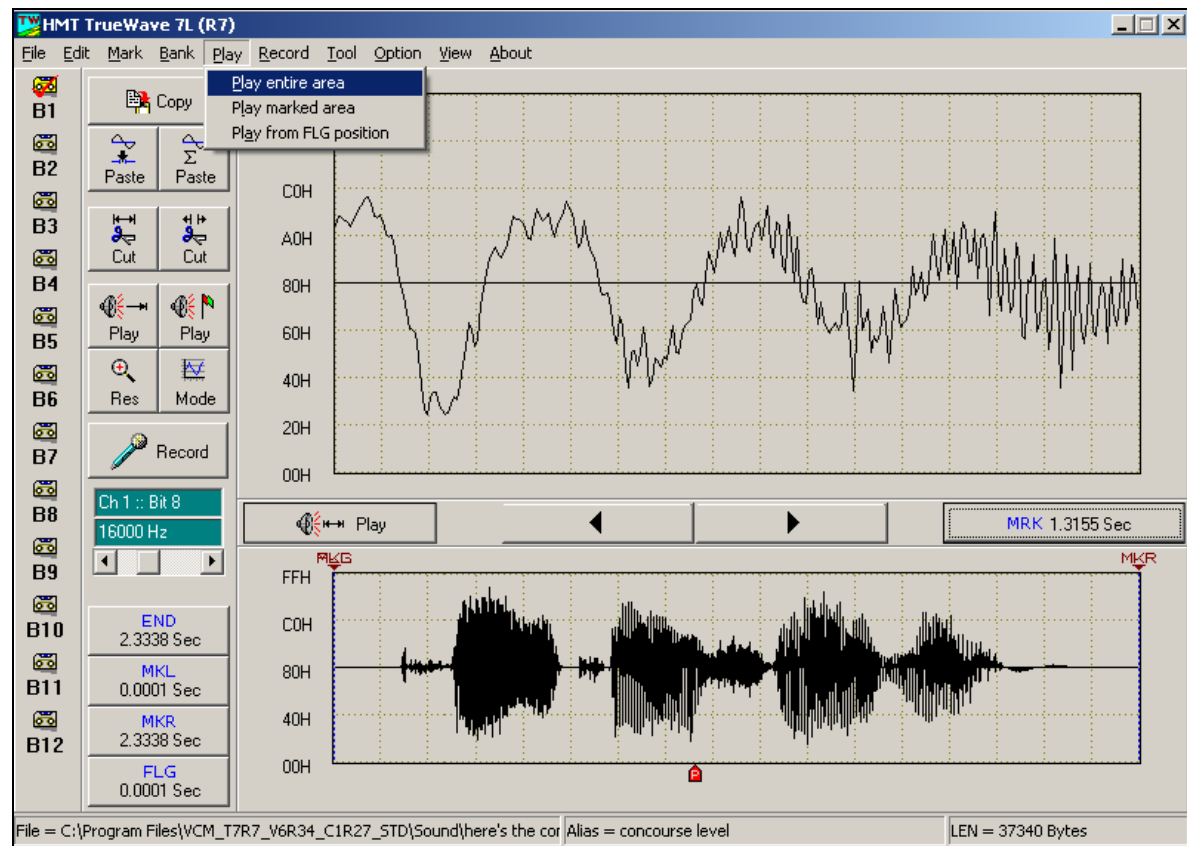
It provides several ways to perform the voice file.

  1.) Play entire area: Perform the entire area of the voice file.

  2.) Play marked area: Perform the marked area of the voice file.

  3.) Play from FLAG: Perform the area of the voice file placed behind the flag position.

(9) TrueWave [Record Menu]Screen
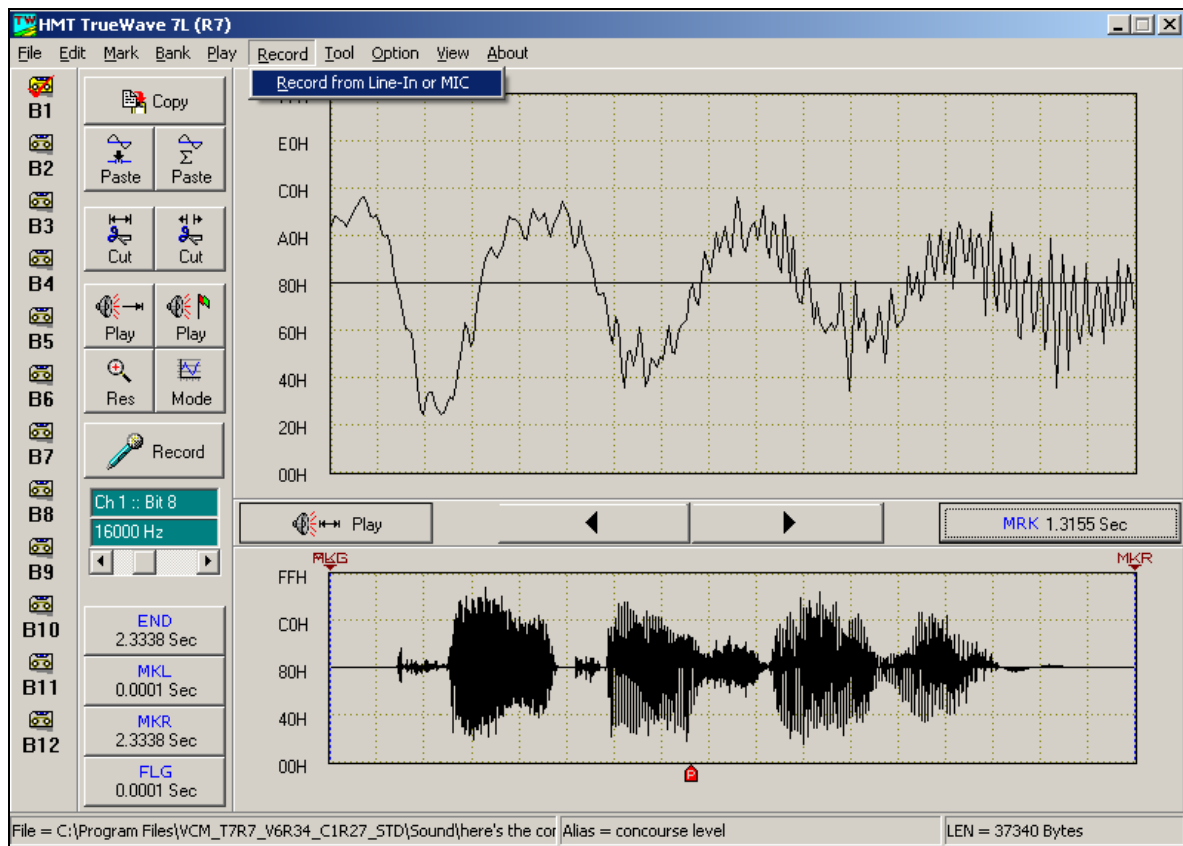
Record from Line-in or Mic.: It provides the recording function mainly.

● For the further operations, please refer to Voice Editing Example Description.

(10)TrueWave [Tool Menu]Screen

It provides several voice effects in "Tool" put-down menu.

1.) Insert Mute: Insert several seconds long mute behind the flag position. (If no settings here, the flag starts from the top…)

2.) Mathematical amplifier (for marked area only): To amplify or attenuate the volume to the marked area only.
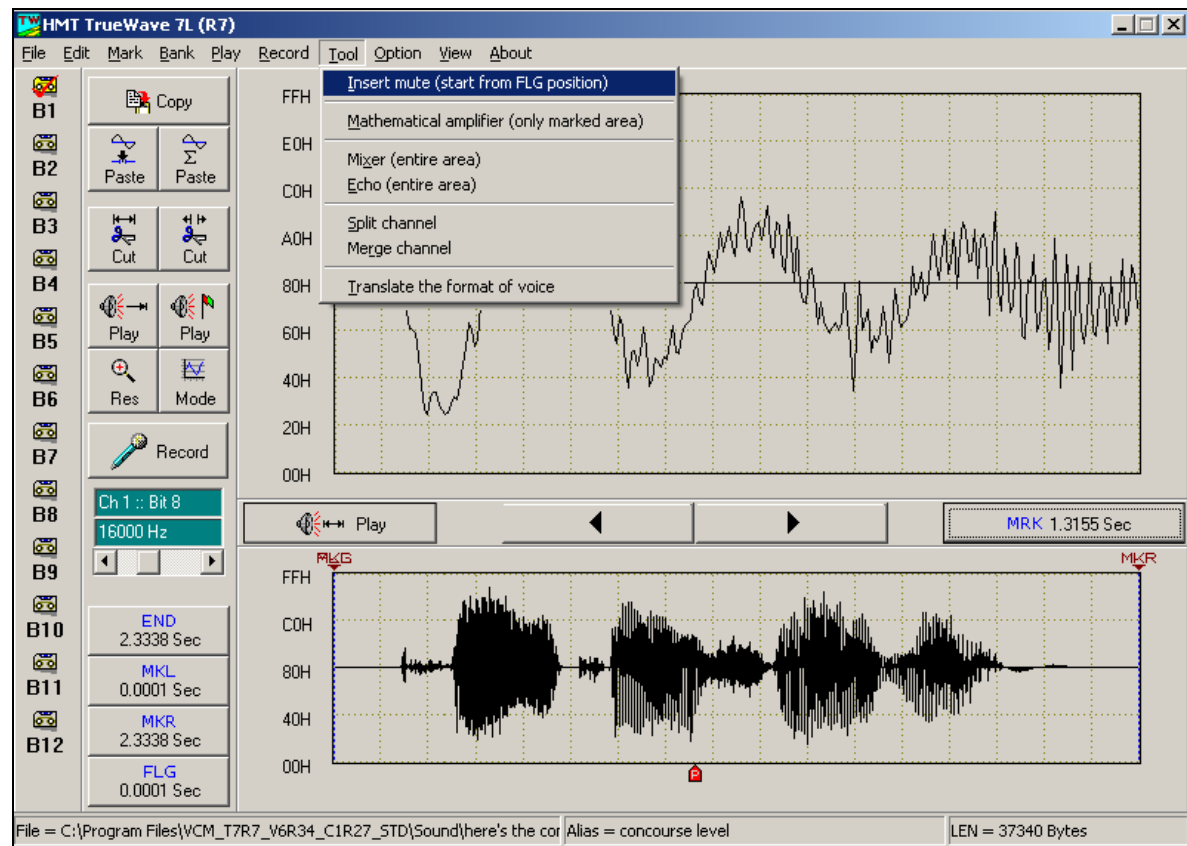
3.) Mixer: Make a mixer by taking the voice data from two selected Banks.

4.) Echo: Add echo effect into the voice file from the selected Bank.

       Magnitude means the percentage of the echo range;

       Delay means the length (how long) of delay action.

5.) Split channel: Split the stereo channels.

6.) Merge channel: Merge two voice temporary storage areas together(stereo format)

7.) Translate the format of voice: Translate the voice format.

(11)TrueWave [Option Menu]Screen
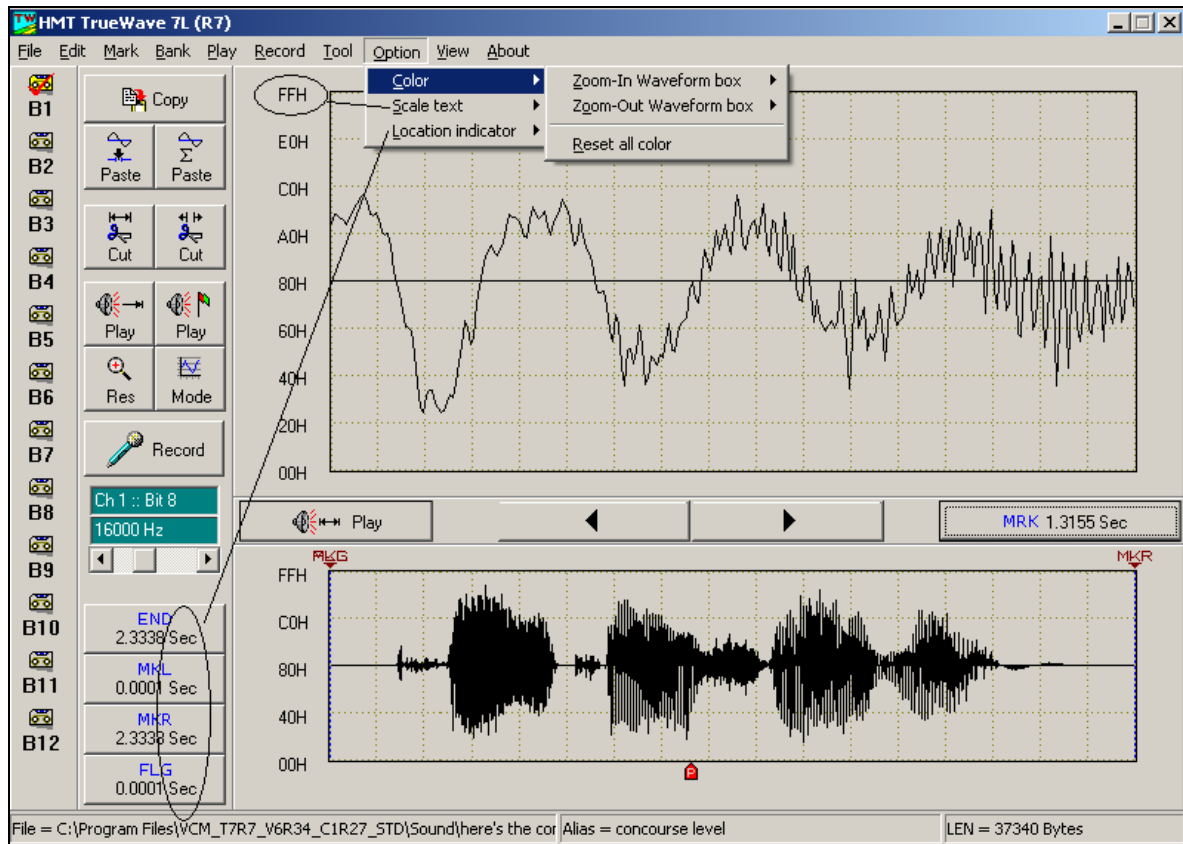
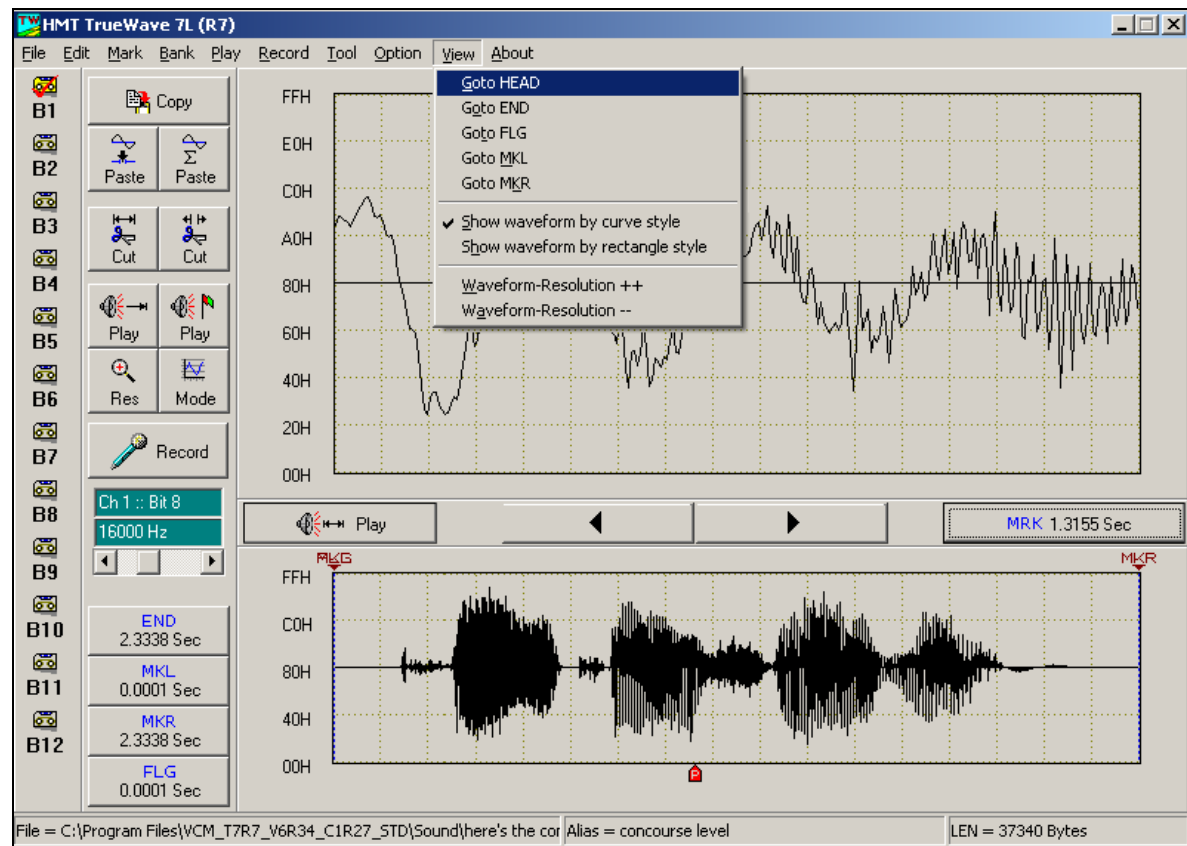It provides the arguments settings for screen operation in "Option" put-down menu.

1.) Color: Change the color of the window.

2.) Scale text: Shift the ways to scale text.

3.) Location indicator: Shift the ways to show the voice length.

(12)TrueWave [View Menu]Screen

1.) Go to END: Show the ending position of the voice in Detail Window.

2.) Go to FLAG: Make the voice data at the flag position shown in Detail Window.

3.) Go to MKL: Show the data from the left marked area in Detail Window.

4.) Go to MKR: Show the data from the right marked area in Detail Window.

5.) Show waveform by curve style: Show the waves in the curve style form.

6.) Show waveform by rectangle style: Show the waves in the rectangle style form.

7.) Waveform-Resolution ++: Magnify the dpi of the waveform.

8.) Waveform-Resolution --:   Restore the dpi of the waveform.

TrueWave Voice Edit Software Operating Instructions:

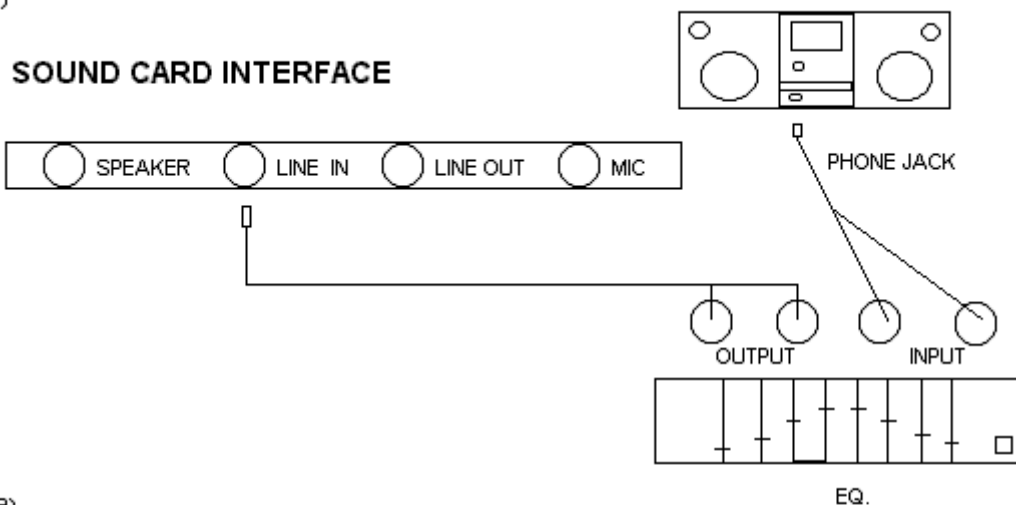**# Voice sources can be obtained from 3 types of methods below:**

1. Use the stereo-set recording voice to the cassette via the playback machine, equalizer (EQ). Make use of audio wire to connect to sound-card interface at "line-in". See diagram(A).

2. Connect to the computer, record the voice source directly via the microphone. See Diagram (B).

3. Record from the AUDIO-CD via the computer programs.
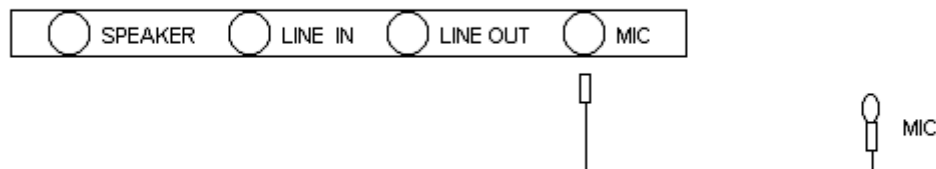
#Notes:

Before recording, please check the Multi-Media Computer system setup is ready.

- Before recording, please use the mixer software from the Sound Card to adjust the volume and get ready for the LINE IN or MIC or turn on the CD player.

- When record via MIC, please check the proper position to the MIC. Avoid pronouncing ejective sounds. Speak louder instead of adjusting the MIC level in order to avoid making noises.
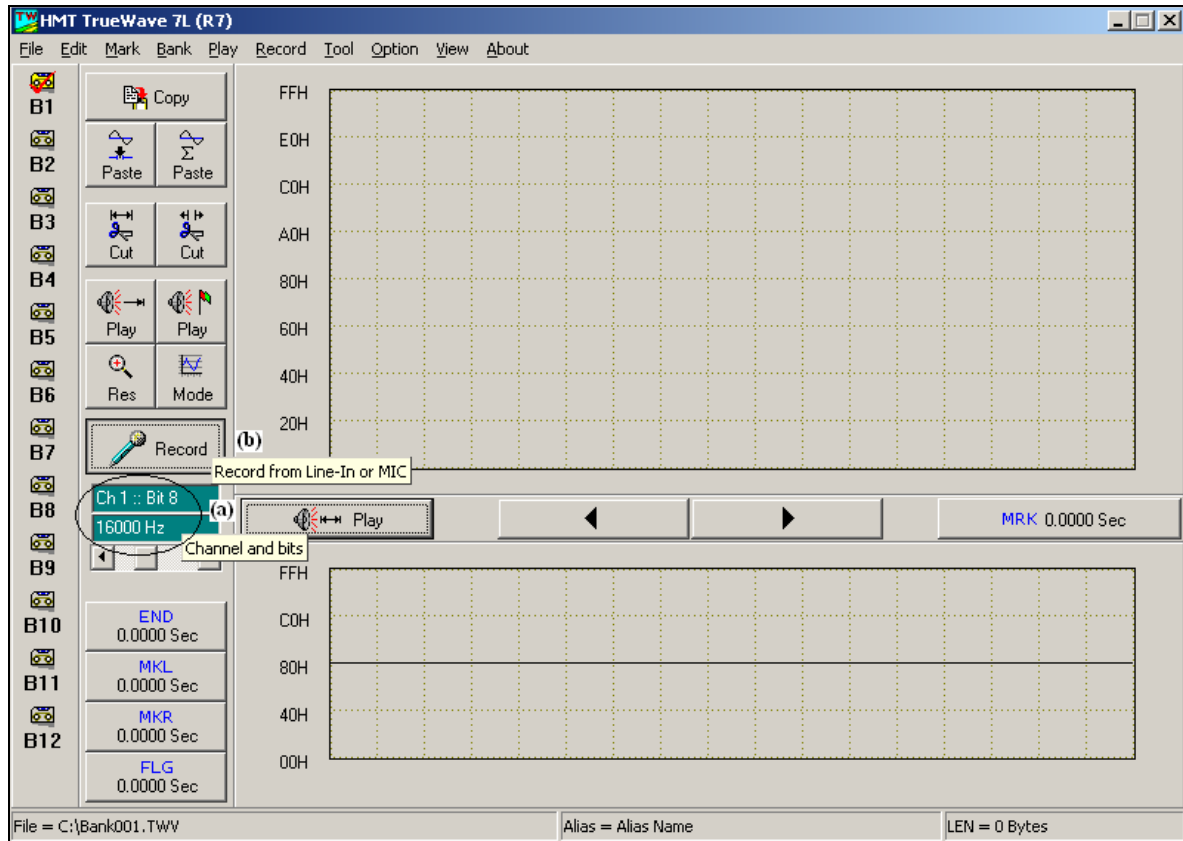
(A)

SOUND CARD INTERFACE

SPEAKER   LINE IN   LINE OUT   MIC

PHONE JACK

OUTPUT   INPUT

EQ.

(B)

SPEAKER   LINE IN   LINE OUT   MIC

MIC

* **Below it's a step-example of the voice source from a cassette played by a playback machine and uploaded to a multi-media computer for editing digital voices.**

Diagram (1)

Step 1: Check the on-line set up for computer and playback equipment is ready.
Step 2: Start TrueWave software to proceed voice recording and editing.

*Voice Recording:

Step 3: Set up the sampling rate requirement. Such as diagram(1)-(a)

Step 4: 1. Left click on "Record" button such as diagram (1)-(b).
　　　　2. Pop up a "Record" window.　See diagram (2).　Enter the amount
　　　　　of time (XX seconds).　This example is 50 seconds long.

Step 5: Record a segment of mute in advance. If find some noises, please clear
　　　　the noises and then proceed the step.

Step 6: Click on "Start Record" button and press "PLAY" on the stereo set.
　　　　The voice will be recorded into the computer memory space.　Press
　　　　"ESC" from the keyboard to stop recording.　Click on diagram (3)-(a)
　　　　button to hear the recording voice.

**[Note] The voice can be recorded separately. After saving, users can edit the
　　　　sentences one after one.**

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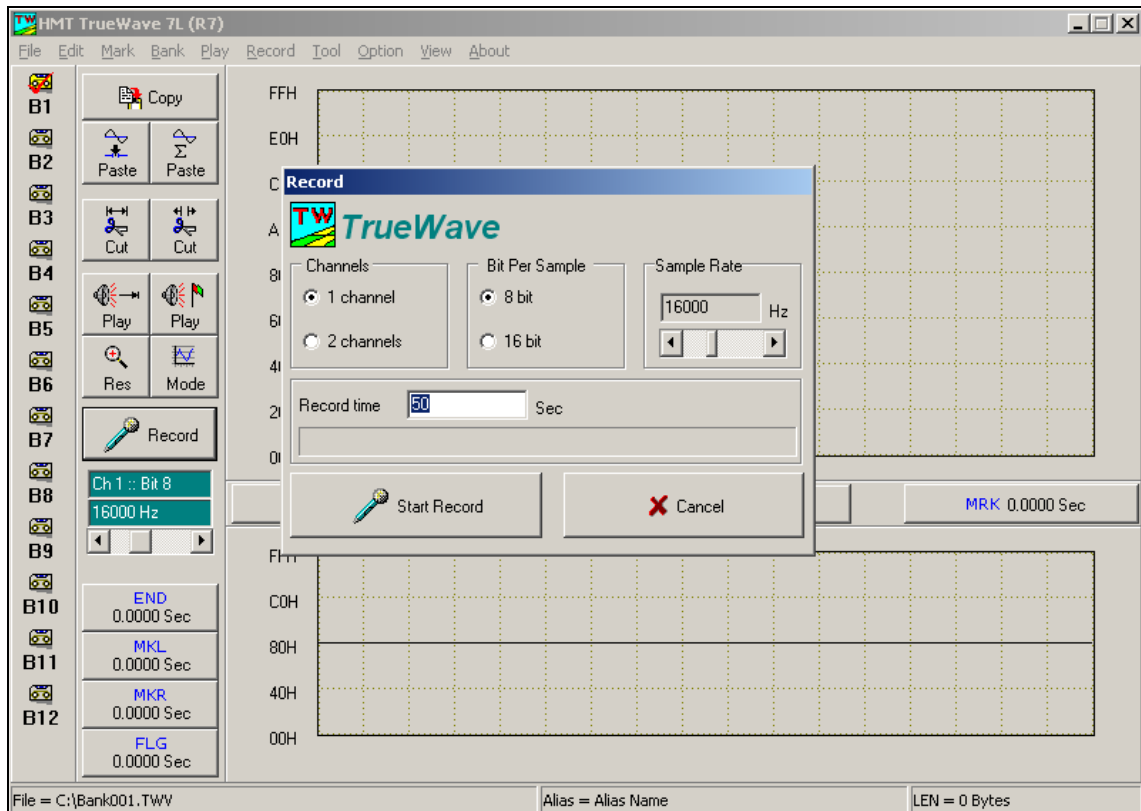TureWave Voice Edit Software Operating Manual
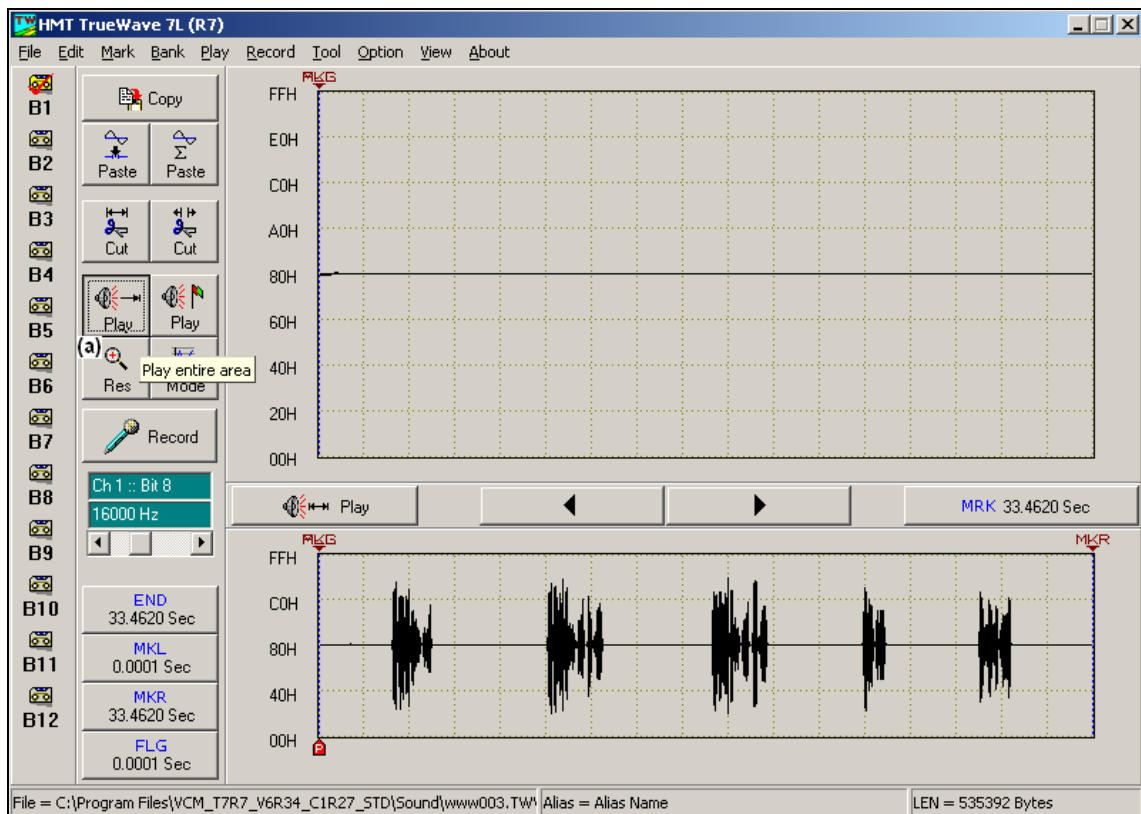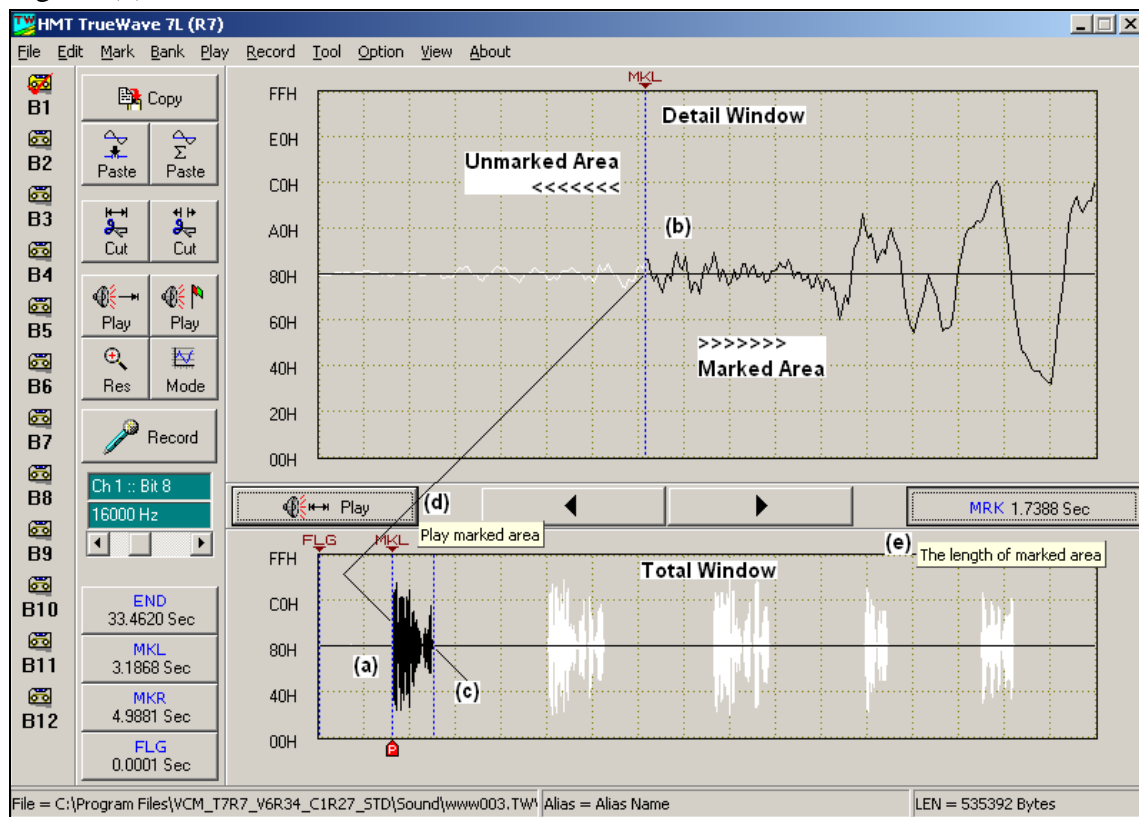
Diagram (2)

Diagram (3)

*Voice Editing:

Diagram (4)

Step 7: Use the marked method to copy the voices and move to other memory banks
for editing and saving files.   (Please refer Step8 for the "copy" method.)
This step is to mark a Sentence and copy it, placing it in other Banks for
editing and saving.

1. Marked method:
   1) Left click on (a) at "Total Window".   Then, the "Detail Window" will
      display the wave-micro line.   At the place (b), left click, the left part of
      voice wave on the detail window will be shown in white lines which mean
   "unmarked area".
   2) Vice versa.   Left click on (c) at "Total Window".   Right click on the
      Detail Window, the right half part will change into white lines which
      mean "unmarked area". The black wave lines mean "marked area".
      Used as copies to place into other memory banks for editing.
2. In Diagram (4)-(d), click on "play marked area" button to play the sentence
   (Here is Sentence 1 in this example.).
3. If the marking procedure doesn't work smoothly,   you can click on " mark
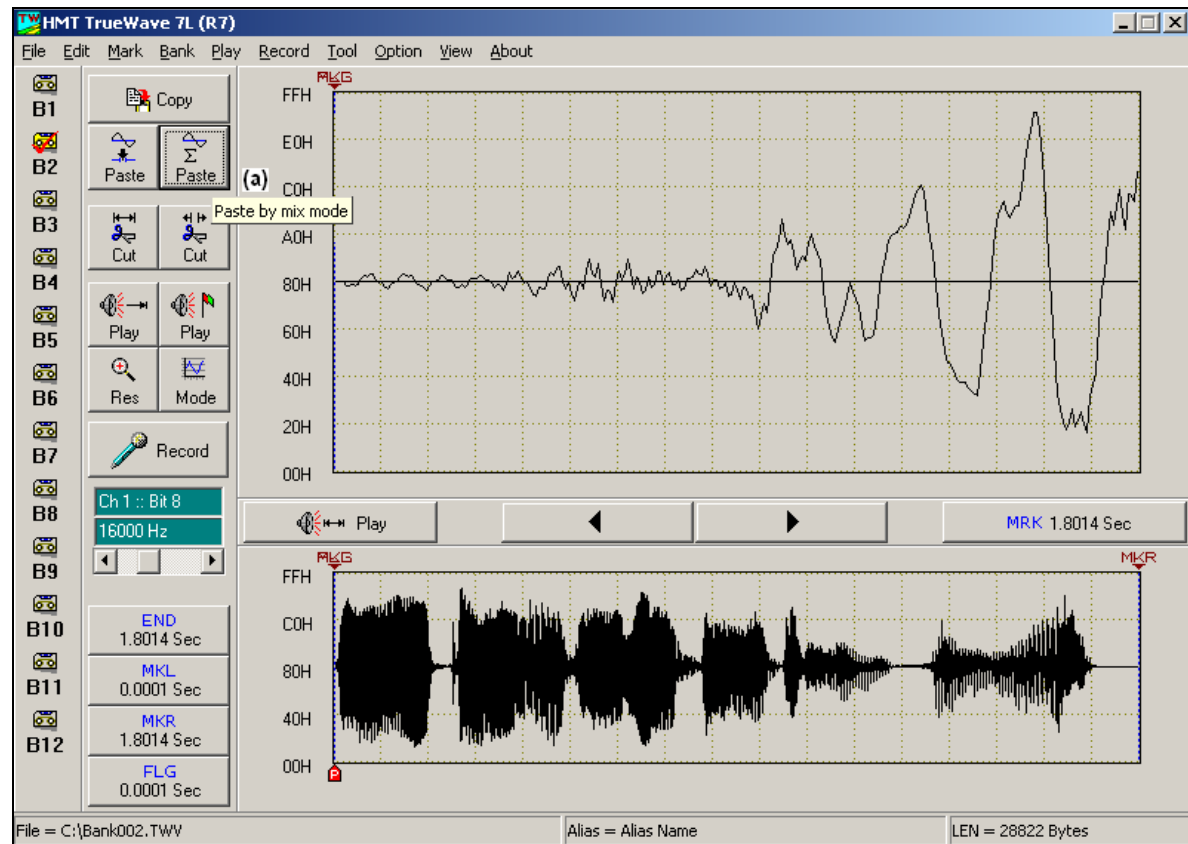   all " button in diagram (4)-(e), and then to operate it again.

Diagram (5)
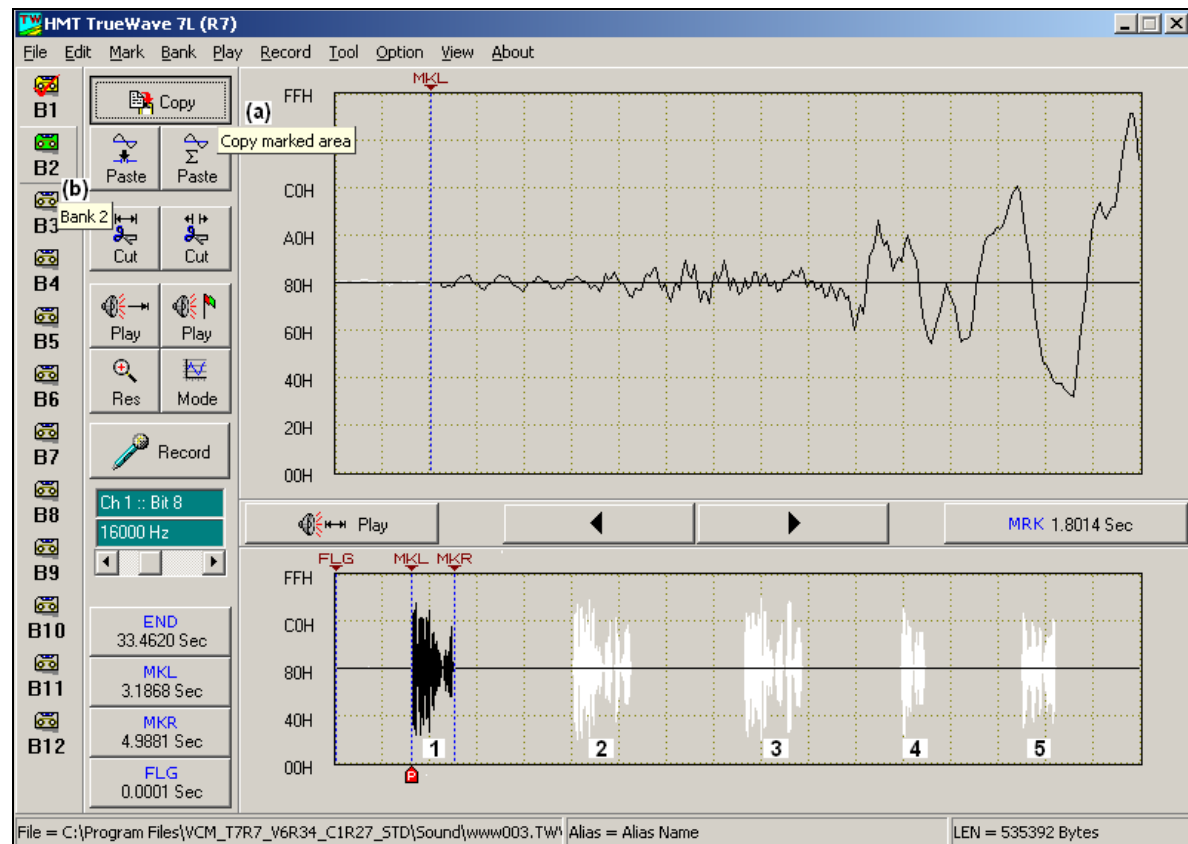
Step8: Sentence copy

(This example is to copy Sentence 1 from bank1, and then to place it in the Bank2 for editing and saving)

1. To click on "copy " button. See (a) on the diagram (5).

2. To click on " B2 " button at diagram (5)- (b).   Select the memory Bank.   (This example is Bank 2) Then, it will jump to the Bank2, a blank edit zone.
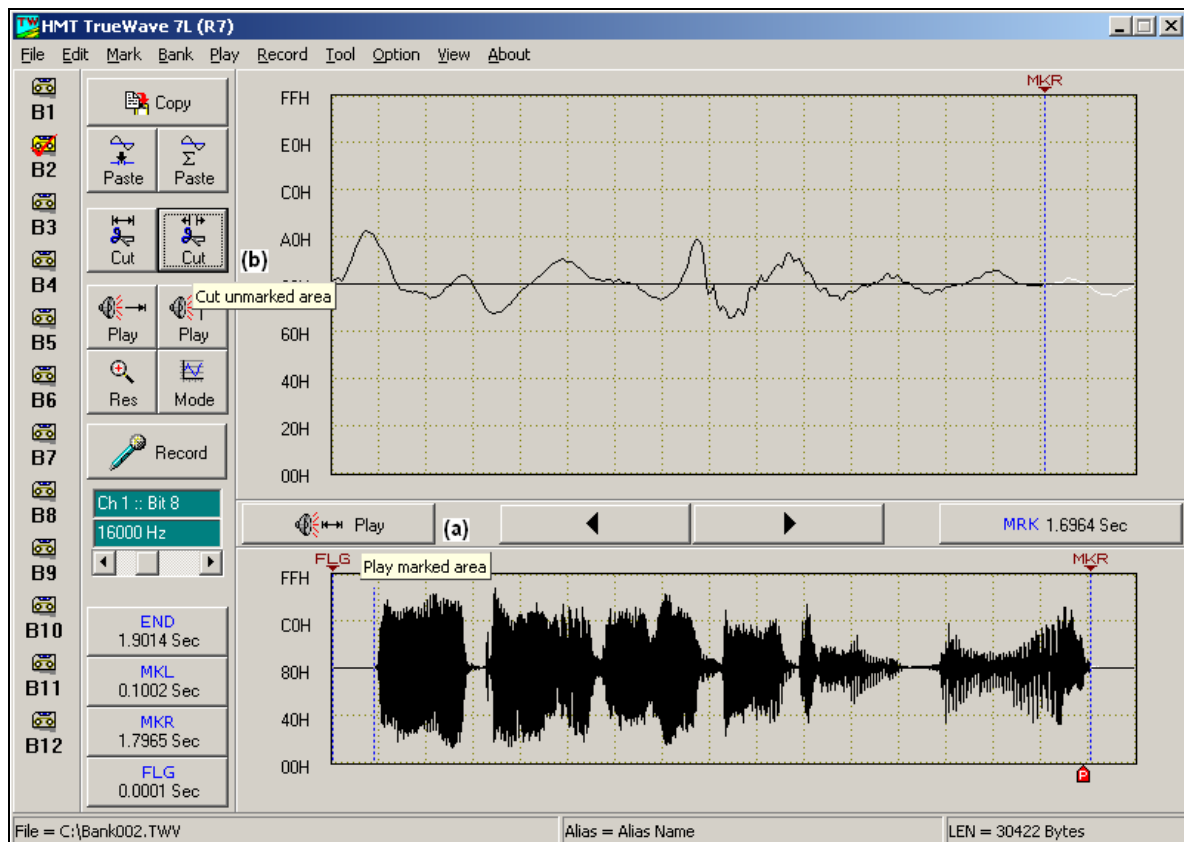
Diagram (6)

3.Click on " Paste " button at diagram (6)-(a).

The Sentence 1 will be copied and placed in Bank 2.
Click on " Play " button to play the voice out.
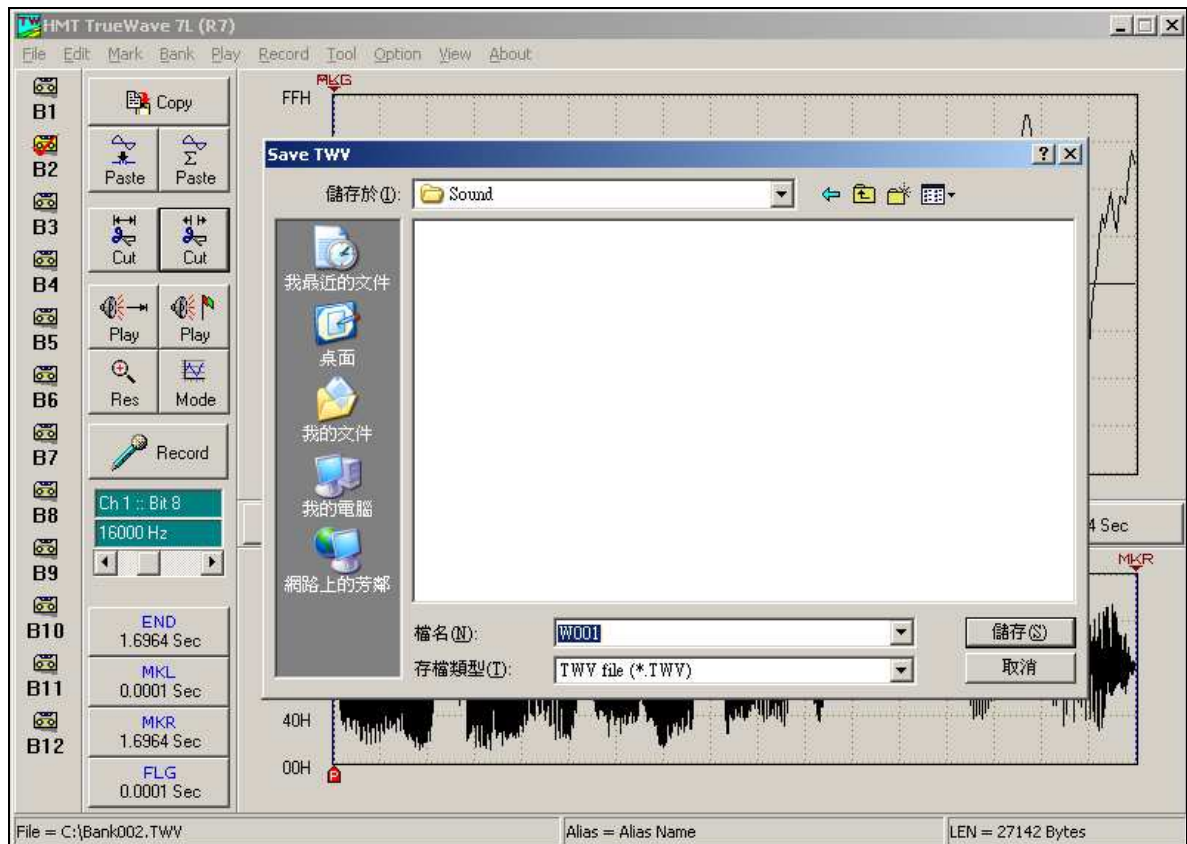
Diagram (7)

Step 9: Voice Editing Edit

1. Use the marked method to mark the edit segment from the beginning to theend position from the voice source.

2. Click on " play marked area " button at diagram (7)-(a) to hear the sound.

3. If the sounds perform well, click " cut unmarked area " button at diagram (7)-(b). The result will be shown in the diagram (8).

Diagram (8)
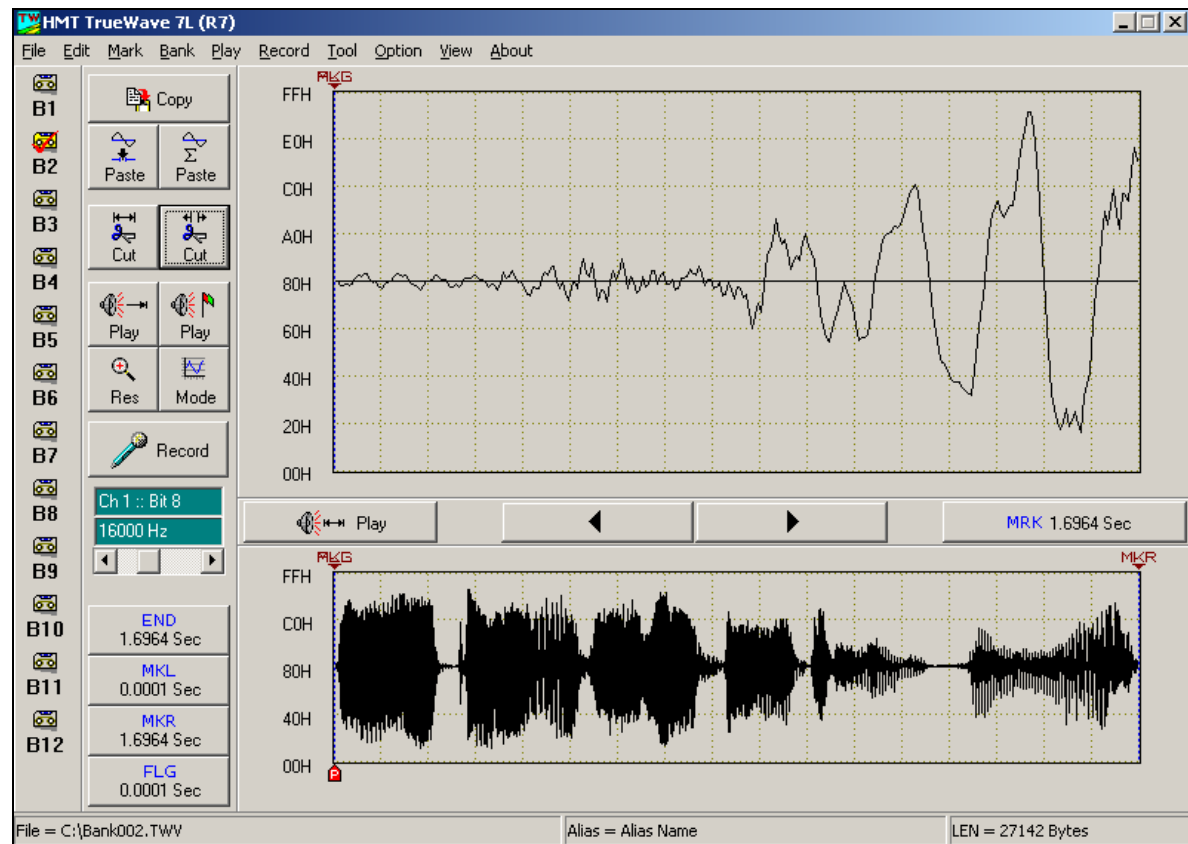
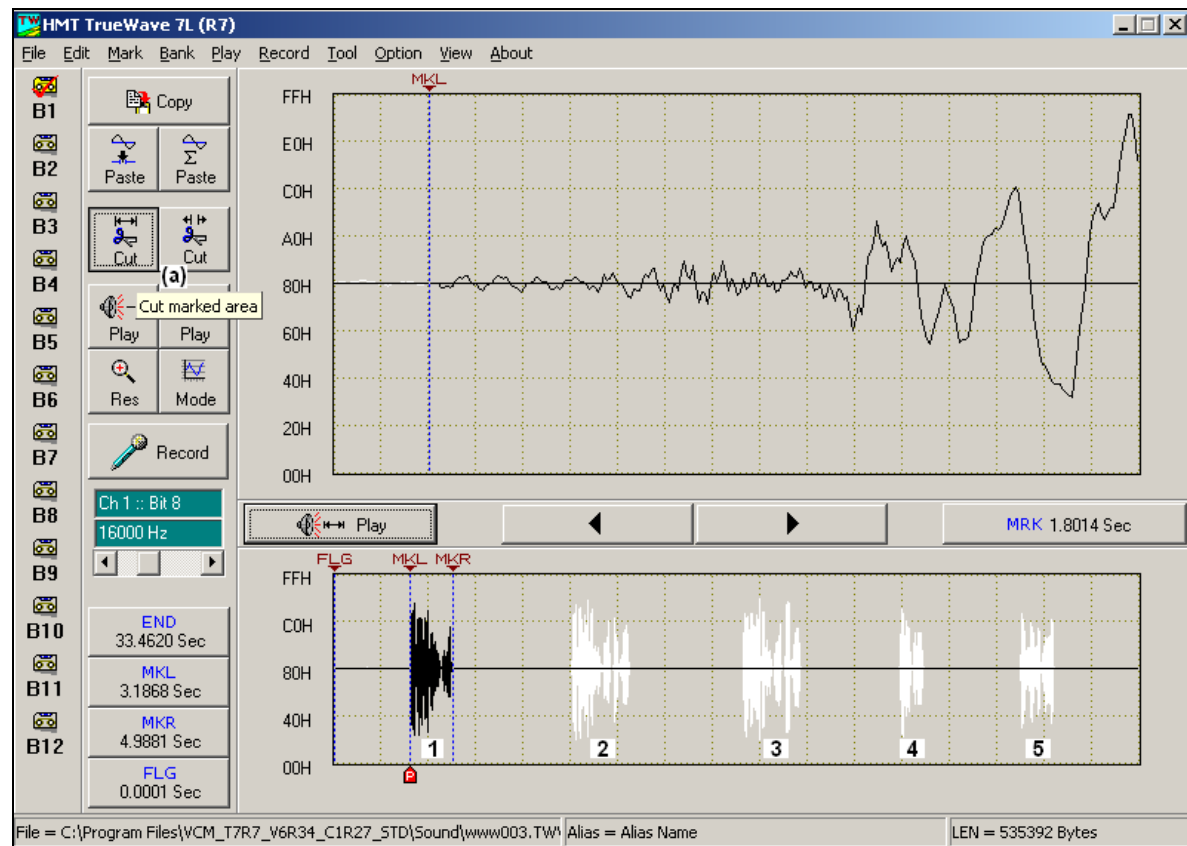

* In diagram(8), the Sentence 1 is done.

Diagram (9)

Step 10:Save

Save files by choosing " save as new name " from " <u>File</u> " pull-down menu in the Function bar. The example file name for saving is w001.twv. Click on "Save" to save the file. See diagram (9).

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Diagram (10)

Step 11: Refer Step 7 to Step 10 and edit the sentences in order.

* Click on "cut marked area" function key as in diagram(10) - (a).   Cut Sentence 1 off and cut Sentence 2,3,4,5,6 out in order.

* After all of the voice segments have been edited and saved, the next step is to refer to ROM_LINKER software step-example manual, making ROM files.